



Magnetocaloric Effect in Molecular Magnets

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Message from the Guest Editor

Dear Colleagues,

In 1881 Emil Warburg discovered the magnetocaloric effect (MCE) in iron. Over the past 140 years, several outstanding achievements in this field have been obtained, including the Nobel Prize for William Giaque. Despite the passage of so many years, the MCE is still intensively studied. Although most MCE research is focused on alloys, molecular magnets provide an alternative approach, and are not limited to low-temperature applications. Recent results on the barocaloric effect (which is very analogous to MCE) for spin crossover compounds reveal remarkable performance close to room temperature.

The aim of this Special Issue is to provide a comprehensive collection of articles which will describe the current status of MCE research. It will be an opportunity to present new results, summarize the research carried out so far, and introduce the MCE to newcomers. Both theoretical and experimental articles are welcome.

Dr. Piotr Konieczny
Guest Editor

